Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

DATASHEET
FUJITSU CELSIUS W380 WORKSTATION

WELCOME TO A WORLD OF POWER

The CELSIUS W380 is the versatile all-round workstation for entry-level graphics applications. Powered by the latest Intel® processors, it is the ideal choice business environments such as entry-level CAD, digital content creation and finance. Thanks to the ISV certification process you can be guaranteed that your preferred professional applications will run with maximum speed and system stability.

EXTREMELY POWERFUL WORKSTATIONS
Get more done in less time
- The fastest available processors, graphics cards and hard disk drives

NOISE-REDUCED SYSTEM
Silent working enviroment
- Optimized thermal management, low-noise chassis and silent fans

SERVICEABILITY
Minimum downtime in the event of system failure
- Service-friendly system design

LEADING WORKSTATION APPLICATION CERTIFICATION
Maximum compatibility and performance with customer-preferred applications
- Full support for ISV applications and easy integration into existing IT environments

BUILT TO ORDER
Free configurability for all product lines
- Customer is given a system optimized for his requirements

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

COMPONENTS

PROCESSOR	Intel® Xeon® processor X3480 (4C/8T, 3.06 GHz)
	Intel® Core™ i5 processor i5-680 (2 Cores / 4 Threads, 3.6 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i5 processor i5-670 (2 Cores / 4 Threads, 3.46 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i5 processor i5-660 (2 Cores / 4 Threads, 3.33 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i5 processor i5-650 (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i3 processor i3-540 (2 Cores / 4 Threads, 3.06 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i3 processor i3-530 (2 Cores / 4 Threads, 2.93 GHz, 4 MB, Intel® HD Graphics)
	Intel® Xeon® processor X3470 (4C/8T, 2.93 GHz, 8 MB)
	Intel® Xeon® processor X3460 (4C/8T, 2.80 GHz, 8 MB)
	Intel® Xeon® processor X3450 (4C/8T, 2.66 GHz, 8 MB)
	Intel® Xeon® processor X3440 (4C/8T, 2.53 GHz, 8 MB)
	Intel® Xeon® processor X3430 (4C/4T, 2.40 GHz, 8 MB)
	Intel® Pentium® processor G6950 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics)
	Intel® Celeron® processor Celeron G1101 (2C/4T, 2.26 GHz, 2 MB, Intel® HD Graphics)
OPERATING SYSTEM	
Operating system optional preinstalled	Microsoft® Windows® 7 Professional 64-bit Microsoft® Windows® 7 Professional 32-bit Microsoft® Windows® 7 Home Premium 64-bit
Operating system compatible	Microsoft® Windows Vista® Business 64-bit Microsoft® Windows Vista® Business 32-bit Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
Operating system notes	Red Hat® certification pending Novell® certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.
MEMORY MODULES	2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM
	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
GRAPHICS ADD ON CARDS (OPTIONAL)	High-end 3D: ATI FirePro™ V5800, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: ATI FirePro™ V5700, 512 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: ATI FirePro™ V4800, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2x DL-DVI-I
	Entry 3D: ATI FirePro™ V3800, PCIe x16, DL-DVI-I, DP
	Entry 3D: ATI FirePro™ V3700, 256 MB, PCIe x16, 2x DL-DVI-I
	Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP
	Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x16, 2x SL DVI-I

HARD DISK DRIVES (INTERNAL)	SSD SATA, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-inch
	SATA III, 10000 rpm, 600 GB, 3.5-inch internal
	SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 750 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. 2.5-inch drives will be mounted in the 3.5-inch bays
DRIVES (OPTIONAL)	Blu-ray Disc™ Triple Writer
	DVD-ROM
	DVD Super Multi
	MultiCard Reader 20in1, 3.5-Inch
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	
	WLAN III, 802.11g/Draft-n (Windows only)
	Parallel Interface
	Gigabit Ethernet PCIe x1
	eSATA Interface
	Dual serial card PCI
Base unit	CELSIUS W380
MAINBOARD	
Mainboard type	D2917
Formfactor	BTX
Chipset	Intel® 3450
Processor socket	LGA 1156
Processor quantity maximum	1
Memory slots	4 DIMM (DDR3) ECC/non-ECC
Supported capacity RAM (max.)	16 GB
Memory frequency	1333 MHz
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
LAN	Built-in 10/100/1000 MBit/s Intel® 82578 DM
WLAN	Optional (for Windows only)
Audio codec	Realtek ALC663
Audio features	5.1 surround sound, High Definition audio, Internal speaker supports audio playback
I/O CONTROLLER	
Serial ATA total	6
thereof eSATA	1, optional
SATA RAID support	0, 1, 10, 5
INTERFACES	
Audio: in (rear)	2
Audio: out (rear)	1
Front Audio: in	1
Front Audio: out	1

INTERFACES	
Internal speakers	1
USB 2.0 total	13
USB front	2
USB rear	8
USB internal	2 + 1
VGA	1 (depends on processor)
DisplayPort	1 (depends on processor)
DVI	1 or 2, optional (depends on processor)
Serial (RS-232)	1, (9 pin)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	1, optional
eSATA	1, optional
Interface Module notes	Anytime USB charge functionality
DRIVE BAYS	
Drive bays total	8
3.5-inch internal bays	4
3.5-inch external bays	2
5.25-inch external bays	2
SLOTS	
PCI-Express 2.0 x16	1 x (312 mm) full height
PCI-Express 2.0 x4 (mech. x16)	1 x (190 mm) full height
PCI-Express x1	2 x (300 mm) full height
PCI (32-bit / 33 MHz)	3 x (312 mm)
GRAPHICS ON BOARD	
Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphics notes	Graphics controller integrated in dual-core processors. For quad-core processors graphics card is mandatory. Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size For TFT we recommend using 60Hz
ELECTRICAL VALUES	
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
Max. output of single power supply	300 W
NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)	
Noise emission	According to ISO9296 (LpAm at bystander position)
Idle mode	18 dB
Office mode	18 dB(A)
Noise notes / description	Actual noise emissions may vary depending on configuration

DIMENSIONS / WEIGHT / ENVIRONMENTAL	
Dimensions (W x D x H)	203 x 426 x 442 mm
Operating position	Vertical / horizontal
Weight	16 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C
Operating relative humidity	10 - 75 %
COMPLIANCE	
Product	CELSIUS W380
Model	MTB-D2917
Germany	GS optional Blauer Engel / Blue Angel optional
Europe	CE
USA/Canada	FCC Class B cCSAus
Global	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
SECURITY	
Physical security	Kensington Lock support Eye for padlock Seal option Intrusion switch Optional: Integrated cabinet lock
System security	Write protect option for the Flash EPROM Embedded security (TPM 1.2) Disable / Hide TPM option
User security	Hard disk password User and supervisor BIOS password Optional: Access protection via SmartCard reader Optional: SmartCase Logon+
ADDITIONAL SOFTWARE	
Additional software (optional)	Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP Recovery DVD TwinLoad Windows® XP downgrade pack
Additional software (included as a CD/ DVD)	Norton Internet Security (incl. Firewall)
MANAGEABILITY	
Manageability features	DeskUpdate Driver management
Manageability type	DeskView 10.x client management including:
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
Supported standards	WMI BootP (made4you) PXE
Manageability link	http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html
INPUT DEVICE / COMPONENTS	
	Optical USB tilt wheel mouse

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

INPUT DEVICE / COMPONENTS

Input devices (optional)	Optical USB/PS2 tilt wheel mouse Space Explorer USB Space Navigator USB Space Pilot USB Keyboard

WARRANTY

Standard Warranty	3 years (depending on country)
Service level	On-site Service (depending on country)

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu CELSIUS W380, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu CELSIUS W380, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.fujitsu.com/celsius

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

Green Policy Innovation

COPYRIGHTS

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.
Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions

DISCLAIMER

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

CONTACT

FUJITSU Technology Solutions
Website: http://ts.fujitsu.com
2010-06-22 CE-EN